

## Storm Data and Unusual Weather Phenomena - April 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>IOWA, Southwest</b>				
<b>MILLS COUNTY --- 0.7 N FOLSOM [41.11, -95.82]</b>				
	04/21/08 23:50 CST		0	Hail (0.75 in)
	04/21/08 23:59 CST		0	Source: Trained Spotter
A significant amount of pea to dime size hail fell for about 10 minutes.				
<b>MILLS COUNTY --- PACIFIC JCT [41.02, -95.80]</b>				
	04/22/08 00:00 CST		0	Hail (0.75 in)
	04/22/08 00:00 CST		0	Source: Public
Isolated thunderstorms developed northwest of a cold front that had pushed across the area earlier in the day. One of the storms produced a lot of pea size hail with a few stones up to 3/4 of an inch in southwest Iowa east and southeast of Bellevue Nebraska.				
<b>HARRISON COUNTY --- 0.9 SE LOGAN [41.64, -95.79]</b>				
	04/24/08 16:40 CST		0	Hail (1.00 in)
	04/24/08 16:40 CST		0	Source: Trained Spotter
<b>SHELBY COUNTY --- EARLING [41.78, -95.42]</b>				
	04/24/08 17:25 CST		0	Hail (0.75 in)
	04/24/08 17:25 CST		0	Source: Trained Spotter
<b>SHELBY COUNTY --- 0.5 E DEFIANCE [41.83, -95.34]</b>				
	04/24/08 17:32 CST		0	Hail (1.00 in)
	04/24/08 17:32 CST		0	Source: Trained Spotter
<b>SHELBY COUNTY --- 0.9 SE IRWIN [41.79, -95.19]</b>				
	04/24/08 17:53 CST		0	Hail (1.00 in)
	04/24/08 17:53 CST		0	Source: Public
Most of the hail was penny or nickel size, but a few of the stones were around quarter size.				
<b>FREMONT COUNTY --- 0.7 S TABOR [40.89, -95.67]</b>				
	04/25/08 00:20 CST		0	Hail (0.75 in)
	04/25/08 00:20 CST		0	Source: Trained Spotter
<b>FREMONT COUNTY --- 8.0 SE RIVERTON [40.60, -95.46]</b>				
	04/25/08 00:45 CST		0	Hail (0.75 in)
	04/25/08 00:45 CST		0	Source: Public
The hail was accompanied by winds strong enough to blow down a few branches.				
<b>PAGE COUNTY --- 3.7 W NORTHBORO [40.59, -95.35]</b>				
	04/25/08 00:55 CST		0	Hail (0.75 in)
	04/25/08 00:55 CST		0	Source: Public
Early in the evening on April 24th isolated severe thunderstorms developed along the Missouri River north of Omaha north of a warm front that stretched across the area. Later that evening other thunderstorms, including a few supercells, developed along a cold front moving across eastern Nebraska and along a weak warm front that extended just ahead of the cold front. The storms tracked northeast into southwest Iowa and were fed by a very strong low level jet that increased in intensity.				
This weather system produced 3 to 8 inches or more of heavy wet snow the next day from northern Nebraska into North Dakota and western Minnesota. Freezing rain was also reported over sections of eastern South Dakota.				
<b>NEBRASKA, East</b>				

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<b>(NE-Z011) KNOX, (NE-Z016) ANTELOPE, (NE-Z030) BOONE</b>				
	04/10/08 12:00 CST		0	Winter Storm
	04/11/08 02:00 CST		0	
<p>A spring snowstorm hit northeast Nebraska from Thursday afternoon April 10th into the morning hours of April 11th. A wet snowfall of 5 to 7 inches fell over sections of the region, accompanied by northwest winds of 25 to 35 mph with gusts to 45 mph. Although the wetness of the snow prevented significant drifting, and much of it melted by the afternoon of the 11th, visibilities were reduced to a mile or less at times as the heavy wet snow was blown around by the strong winds. Heavier snow totals included 7 inches at Neligh in Antelope county, 6.4 inches at Lorreto in Boone county, and around 6 inches south of Verdel and south of Wausa both in Knox county.</p> <p>The heavy snow was the result of an unseasonably strong storm system that tracked from southwest Kansas across eastern Nebraska. This system brought scattered thunderstorms into southeast Nebraska and southwest Iowa Thursday the 10th as a warm front lifted north into southeast Nebraska and southern Iowa. The system also spawned several tornadoes farther east across Iowa.</p>				
<b>GAGE COUNTY --- 2.8 S ODELL [40.01, -96.80]</b>				
	04/24/08 21:57 CST		0	Hail (0.75 in)
	04/24/08 21:57 CST		0	Source: Trained Spotter
<b>GAGE COUNTY --- ODELL [40.05, -96.80]</b>				
	04/24/08 22:03 CST		0	Hail (0.75 in)
	04/24/08 22:03 CST		0	Source: Trained Spotter
<b>GAGE COUNTY --- 1.1 W BEATRICE [40.27, -96.75]</b>				
	04/24/08 22:15 CST		0	Hail (0.75 in)
	04/24/08 22:15 CST		0	Source: Public
<b>GAGE COUNTY --- 0.9 SE VIRGINIA [40.24, -96.49]</b>				
	04/24/08 23:00 CST		0	Hail (1.00 in)
	04/24/08 23:00 CST		0	Source: Public
<b>JOHNSON COUNTY --- 0.9 SW TECUMSEH [40.36, -96.19]</b>				
	04/24/08 23:00 CST		0	Hail (0.88 in)
	04/24/08 23:00 CST		0	Source: COOP Observer
<b>JEFFERSON COUNTY --- 0.6 N STEELE CITY [40.04, -97.02]</b>				
	04/24/08 23:14 CST		0	Hail (0.75 in)
	04/24/08 23:14 CST		0	Source: Emergency Manager
<b>JOHNSON COUNTY --- 0.5 W TECUMSEH [40.37, -96.19]</b>				
	04/24/08 23:40 CST		0	Hail (0.75 in)
	04/24/08 23:40 CST		0	Source: Law Enforcement
<b>NEMAHA COUNTY --- 0.7 S JOHNSON [40.41, -96.00], 0.5 SSE JOHNSON [40.41, -96.00]</b>				
	04/24/08 23:50 CST		0.10M	Tornado (EF1, L: 0.33 mi , W: 100 yd)
	04/24/08 23:53 CST		0	Source: NWS Storm Survey
<p>A tornado touched down on the southwest edge of Johnson near Chestnut and 1st Streets. The tornado moved northeast across town causing EF1 damage to several buildings in downtown Johnson along Main Street between 2nd and 3rd Streets. The tornado weakened as it approached the high school and then lifted around Walnut and 5th Streets.</p> <p>Roofing material and the facade of several buildings were peeled or collapsed. Hardwood and softwood trees were snapped along the path and 2 garages were pushed off of their foundations. A building next to the fire station also had a large garage door blown in. No injuries were reported.</p>				
<b>OTOE COUNTY --- 1.3 ESE PAUL [40.56, -95.86]</b>				
	04/24/08 23:59 CST		0	Hail (1.00 in)
	04/25/08 00:20 CST		0	Source: Emergency Manager
Hail up to 1 inch in diameter fell for around 20 minutes 8 miles south of Nebraska City.				
<b>JEFFERSON COUNTY --- 0.9 SW FAIRBURY [40.14, -97.18]</b>				

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	04/25/08 00:05 CST		0	Hail (0.75 in)
	04/25/08 00:05 CST		0	Source: Emergency Manager

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### GAGE COUNTY --- 0.9 ENE BLUE SPGS [40.14, -96.65], 1.0 ENE BLUE SPGS [40.14, -96.65], 1.0 ENE BLUE SPGS [40.14, -96.65], 1.0 ENE BLUE SPGS [40.14, -96.65]

04/25/08 00:20 CST	50K	Flash Flood (due to Heavy Rain)
04/25/08 03:20 CST	0	Source: Law Enforcement

Heavy rain caused flash flooding across River Drive south of Blue Springs. The flooding was the result of 2 to 4 inches of rain that fell from thunderstorms that night and produced some washed-out roads and damage to some culverts. A bridge in the area was closed for several hours.

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### GAGE COUNTY --- 4.8 W BARNESTON [40.04, -96.67]

04/25/08 00:53 CST	0	Hail (0.75 in)
04/25/08 00:53 CST	0	Source: Law Enforcement

Reported 6 miles south of Wymore.

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### PAWNEE COUNTY --- 0.7 S PAWNEE CITY [40.11, -96.15]

04/25/08 01:15 CST	0	Hail (0.88 in)
04/25/08 01:15 CST	0	Source: Trained Spotter

The time was estimated.

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### RICHARDSON COUNTY --- 0.5 W HUMBOLDT [40.17, -95.94]

04/25/08 01:35 CST	0	Hail (0.75 in)
04/25/08 01:35 CST	0	Source: Trained Spotter

The time was estimated.

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### JOHNSON COUNTY --- 7.8 SSE VESTA [40.26, -96.28], 6.9 SSE VESTA [40.27, -96.29], 6.0 SSE VESTA [40.28, -96.31], 6.1 S VESTA [40.28, -96.31], 6.6 SSE VESTA [40.28, -96.31], 7.4 SSE VESTA [40.27, -96.29], 7.8 SSE VESTA [40.26, -96.28]

04/25/08 04:00 CST	1M	Flood (due to Heavy Rain)
04/25/08 14:00 CST	0	Source: Emergency Manager

Rainfall of 2 to 6 inches in a few hours time caused flooding along Sampson Creek and Turkey Creek which washed out 3 bridges and caused county road damage southwest of Tecumseh. Damage in Johnson county to roads and bridges was estimated at 1 million dollars. The flooding continued into Pawnee county. The flood waters also affected agricultural lowlands.

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### GAGE COUNTY --- 0.5 WSW BARNESTON [40.05, -96.59], 1.1 SSW BARNESTON [40.04, -96.59], 1.0 SSW BARNESTON [40.04, -96.59], 0.3 SW BARNESTON [40.05, -96.58]

04/25/08 09:15 CST	25K	Flood (due to Heavy Rain)
04/25/08 13:15 CST	0	Source: Official NWS Observations

Rainfall of 2 to 4 inches over a several hour period across a section of the lower Big Blue River basin in southeast Nebraska caused the Big Blue River near Barneston to flood. The river near Barneston reached 20.8 feet at 1115 am CDT on April 25th, flood stage is 20 feet. The river was above flood stage near Barneston from around 1015 am through 215 pm. The flooding caused some road and culvert damage in addition to flooding agricultural lowlands.

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### PAWNEE COUNTY --- 3.0 NE MAYBERRY [40.26, -96.28], 3.3 NE MAYBERRY [40.26, -96.27], 0.5 SSW STEINAUER [40.21, -96.23], 0.8 SW STEINAUER [40.21, -96.24]


04/25/08 10:00 CST	0.10M	Flood (due to Heavy Rain)
04/25/08 14:00 CST	0	Source: Emergency Manager

Rainfall of 2 to 6 inches in a few hours time caused flooding along Turkey Creek from Johnson county into Pawnee county to near Steinauer. The flooding caused some road damage and structural damage to 1 bridge in Pawnee county. The flood waters also affected agricultural lowlands.

An area of thunderstorms, including a few supercells, developed along a cold front that was pushing into eastern Nebraska and also along a weak warm front that extended just ahead of the cold front. The storms were fed by a very strong low level jet that increased in intensity and helped create the wind shear favorable for the supercells, including one which produced a short-lived tornado in Johnson, Nebraska. The storms also produced a small area of very heavy rain. Virginia in Gage county reported around 4 inches with a little over 2 inches reported in Tecumseh which is in Johnson county. The heavy rain produced isolated flash flooding and river flooding.

This weather system eventually produced 3 to 8 inches or more of heavy wet snow on April 25th from northern Nebraska into North Dakota and western Minnesota. Freezing rain was also reported over sections of eastern South Dakota from this storm.

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*Collapsed facade of a downtown building in Johnson, Nebraska, hit by a tornado on April 25, 2008.*